Appendix A

The software modules set forth in Exhibit 1 which perform the function of automatic data/voice modem control are modules entitled:

SIO
TE OUTPUT
TEL COMM
CONN

Appendix B

The software modules set forth in Exhibit 2 which perform the function of handling interrupt requests from the co-system by the IBM Personal Computer are modules entitled:

PCS MEMORY—RESIDENT SOFTWARE INITIALIZATION
ASYNCH INTERRUPT ROUTINES
ASYNCH COMMUNICATION ROUTINES PART 3
FUNCTION DISPATCHER

Appendix C

The software modules set forth in Exhibit 1 which perform the function of automatically changing the rate of transmission of digital information between two cosystems are modules entitled:

CTC
SIO
TE ASYNCH
TE OUTPUT
TE INPUT

Appendix D

The software modules set forth in Exhibit 1 which perform the function of tone detection are modules entitled:

TONE DET
TONESTAT
LOOP STS

Appendix E

The software modules set forth in Exhibit 2 which perform the function of displaying programmable keys are modules entitled:

ALTKEYS
PGMKEYS
DISPLAY SUBROUTINES PART I
DISPLAY SUBROUTINES PART II
DISPLAY SUBROUTINES PART III
DISPLAY SUBROUTINES PART 4

Appendix F

The software modules set forth in Exhibit 1 residing in the co-system which handles the communication beteween the co-system and the IBM Personal Computer are modules entitled:

SIO
PC INPUT
DEPACKET
PC OUTPUT
SDLC CRC

Appendix G

The software modules set forth in Exhibit 2, residing in the IBM Personal Computer, which handles the communication between the co-system and the IBM Personal Computer are modules entitled:

ASYNCH INTERRUPT ROUTINES
ASYNCH COMMUNICATION ROUTINES PART 3

We claim:

1. An interface apparatus between a digital computer and an analog communication medium, said interface apparatus comprising:

telephony means for transmitting and receiving voice signals to and from said medium;

modem means for for communication with said computer and said medium for transmitting and receiving data signals to and from said medium for said computer;

switch means interposed between said communication medium said telephony means, and said modem means; said switch means are adapted to connect said medium and said telephony means and said modem means in a first position and in a second position, wherein in said first position said telephony means are connected to transmit and to receive voice signals to and from said medium and said modem means are connected to receive data carrier signals from said medium; and wherein in said second position, said telephony means are disconnected from said medium and said modem means are connected to transmit and to receive digital data signals to and from said medium;

control means for controlling said switch means between said first position and said second position; said control means for automatically switching said switch means from said first position to said second position when said apparatus transmits data signals to said medium or when said modem means detects said data carrier signals; and said control means for automatically switching said switch means from said second position to said first position when said apparatus terminates the transmission of digital data signal to said medium or when said modem means ceases to receive data signals from said medium; and

interrupt means for interrupting the operation of said computer for causing said computer to be in communication with said modem, when said control means causes said switch means to be in the second position;

whereby said computer being in communication with said apparatus.

2. The apparatus of claim 1 wherein said computer has a display screen, said interrupt means for causing said data displayed on said screen to be stored when the operation of said computer is interrupted.

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